SONY

3-753-019-22 (1)

Cassette Player

WM-EX50

Operating Instructions

Owner's Record

The model number is located at the rear and the serial number is located inside the cassette holder. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. WM-EX50 Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

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SONY

AUDIO TAPE RECORDER
COMPACT DISC COMPACT PLAYER
ELECTRONIC STILL VIDEO CAMERA
AND PLAYBACK ADAPTOR

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship, as follows.

1. For a period of 90 days from the date of purchase, SONY will pay the labor charges of your SONY authorized service facility to repair the defective product. After the 90-day period, you must pay for all labor charges.
2. In addition, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the original date of purchase.

Labor and Parts

To obtain warranty service during the initial 90-day period, you must take the product, or deliver the product prepaid, to a SONY authorized service facility.

Parts Only

During the remainder of the warranty period, any defective part will be replaced if it is taken, or delivered prepaid, to a SONY service center. Labor for removal and installation is available from your SONY authorized service facility or SONY service center, at your expense.

This warranty does not cover cosmetic damage, and damage due to acts of God, accident, misuse, abuse or negligence to the product, including the antenna. This warranty is valid only in the United States of America.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

This warranty is valid only if the serial number appears on the product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership as within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

SONY CUSTOMER INFORMATION CENTER
201-930-SONY (7669)
714-821-SONY (7669)
708-250-SONY (7669)

or write to:

Sony Customer Information Center
Sony Drive, Mail Drop #T1-11
Park Ridge, NJ 07656

SONY CORPORATION OF AMERICA
Sony Drive, Park Ridge, New Jersey 07656

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Sony Service Centers

Arizona

Phoenix
2340 North Scottsdale Road
Tempe, AZ 85281
(602) 949-7669

California

Burbank (Los Angeles area)
4100 Riverside Drive, Suite A
Burbank, CA 91505
(818) 842-7669

Costa Mesa (Orange County area)
2729 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4833

San Bruno (San Francisco area)
751 Camelia Plaza
San Bruno, CA 94066
(415) 871-2810

San Diego
8975 Complex Drive
San Diego, CA 92123
(619) 279-2724

San Jose
1350 Old Oakland Road
San Jose, CA 95112
(408) 280-7669

Colorado

Denver
Hyatte Plaza Center
10740 East Iliff Avenue
Aurora, CO 80014
(303) 755-7669

Florida

Fort Lauderdale
2850 North 29th Terrace
Hollywood, FL 33020
(305) 920-5800

Georgia

Atlanta
120 Interstate North Parkway East
Suite 410
Atlanta, GA 30339
(404) 953-5671

Hawaii

Honolulu
950 Maunakea Street
Honolulu, HI 96819
(808) 834-6622

Illinois

Niles (Chicago N.W.)
7540 North Caldwell Avenue
Niles, IL 60648
(312) 647-2400

Westmont (Chicago S.W.)
6035-38 South Cass Avenue
Westmont, IL 60559
(312) 969-0049

Kansas

Kansas City
11712 West 95th Street
Overland Park
KS 66214
(913) 888-2622

Maryland (Washington D.C.)

Washington D.C.
1350 Helen Lane
Langley Park, MD 20783
(301) 439-3600-01

Massachusetts

Boston
390 University Avenue
128 Westwood Industrial Center
Westwood, MA 02090
(617) 329-6130

Michigan

Detroit
43304 Seven Mile Road
Nov. MI 48050
(313) 344-4044

Minnesota

Minneapolis
4300 W. 36'rt Street
St. Louis Park, MN 55416
(612) 920-8000

Missouri

St. Louis
12462-G Natural Bridge Road
Bridgeton, MO 63044
(314) 291-2201

New Jersey

Mahwah (N.Y. Metropolitan Area)
396 Route 17 South
Mahwah, NJ 07430
(201) 529-1656

Ohio

Cleveland
6370 York Road
Parma Heights, OH 44130
(216) 845-7669

Pennsylvania

Philadelphia
851 Park Avenue
King of Prussia, PA 19406
(215) 768-8850

Pittsburgh
Warford Plaza
10610 Perry Highway (Rt. 19)
Warford, PA 15090
(412) 836-8466

Texas

Dallas
401 Preston Valley Shopping Center
Dallas, TX 75230
(214) 861-3537

Houston
9747 Richmond Avenue
Houston, TX 77057
(713) 783-0781

Washington

Seattle
835 Fairgo
Seattle, WA 98108
(206) 762-6500

Sony District Service Offices

Western Zone

Western District
Sony Service Company
2729 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4836

Northwestern District
Sony Service Company
1350 Old Oakland Road
San Jose, CA 95112
(408) 280-7676

Southwestern District
Sony Service Company
2301 Rogmar Dr., Suite 100
Irving, TX 75063
(214) 550-5270

Central Zone

Mid-West District
Sony Service Company
7540 North Caldwell Avenue
Niles, IL 60648
(312) 647-2424

East Central District
Sony Service Company
26300 Town Center Dave,
Suite 300 Nov. MI 48050
(313) 347-2281

Eastern Zone

Eastern District
Sony Service Company
396 Route 17 South
Mahwah, NJ 07430
(201) 529-1616

Mid-Atlantic District
Sony Service Company
851 Park Avenue
King of Prussia, PA 19406
(215) 768-8845

Southeastern District
Sony Service Company
120 Interstate North Parkway East
Suite 410
Atlanta, GA 30339
(404) 953-5656

Precautions

Notes on battery

- Remove the battery when you will not use the unit for a long time to prevent damage from battery leakage and corrosion.
- When the sound becomes unstable, try a new battery.

Handling the rechargeable battery

Recharge when the sound becomes noisy or distorted.

External power sources

The following external power sources can be connected through the DC IN 1.5 V jack.

- House current using an AC-E15L AC power adaptor
- 12 V car battery using a DCC-E115L car battery cord

The illustration shows the polarity of DC IN 1.5 V jack. Use only a power cord having the same polarity.

Handling your Walkman

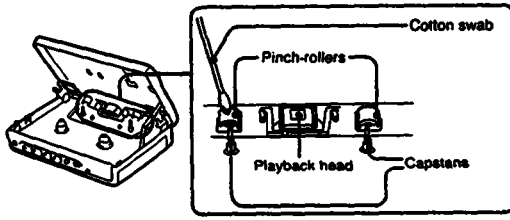
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust, or mechanical shock. Never leave the unit in a car parked in the sun.
- You should run the unit for a few minutes before inserting a cassette if it has not been used for a long time.
- We do not recommended the use of cassettes longer than 90 minutes.

About the earphones

- Avoid playing your WALKMAN at so loud a volume that extended play might affect your hearing.
- At a high volume outside sounds may become inaudible. Avoid listening to your WALKMAN in situations where hearing must not be impaired, for example, while driving or cycling.
- If your earphones are of open-air design, sounds go out through them. Remember not to disturb those close to you.

Maintenance

- Prolonged use may contaminate the tape head. If the sound drops out or excessive noise occurs, clean the head and tape path shown below with alcohol.
- Clean your headphone plug periodically for optimum sound.
- Do not use alcohol, benzine, or thinner to clean the case.



If you have any question or problem concerning your unit, please consult your nearest Sony dealer.

Specifications

Power requirements	1.5 V DC size AA (R6) battery × 1 NC-6WM rechargeable battery DC 1.5 V jack accepts/Sony AC-E15L AC power adaptor (not supplied) for use on 120V, 60Hz

Battery life (approximate hours)

Sony alkaline AM3 (N)	7 hrs.
Rechargeable NC-6WM	3 hrs.

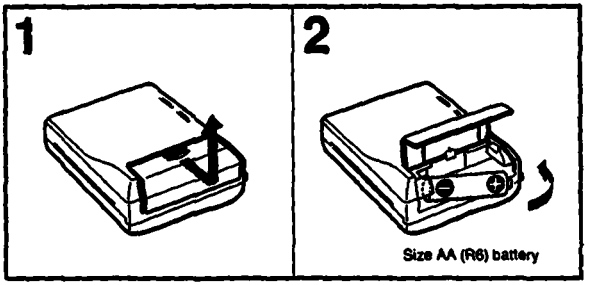
Accessories supplied	Stereo headphones (open-air type, 1)/Battery charger (1) Rechargeable battery (1)/Carrying case (1)/Lithium battery (1)
Optional accessories*	Rechargeable battery NC-6WM/AC power adaptor AC-E15L Car battery cord DCC-E115L

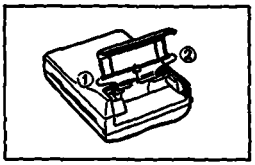
*Your dealer may not handle these optional accessories. Please ask the dealer for detailed information.

Design and specifications subject to change without notice.

Note on stereo headphones
The cord of the headphones is detachable. If the cord becomes detached, reconnect it as illustrated.

Using with a Battery



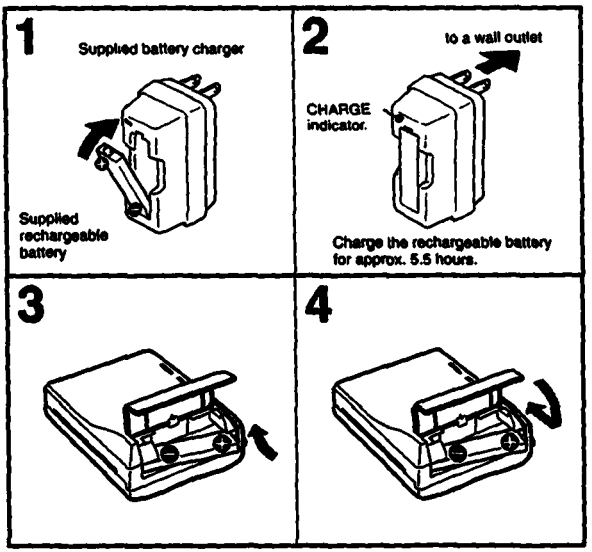


Note

If the battery compartment lid is detached by accident, attach it as illustrated.

Using with a Rechargeable Battery

Use only the supplied battery charger. Otherwise, the battery will be damaged. The supplied rechargeable battery can be recharged approx. 300 times. Charge the battery for approx. 5.5 hours before use.

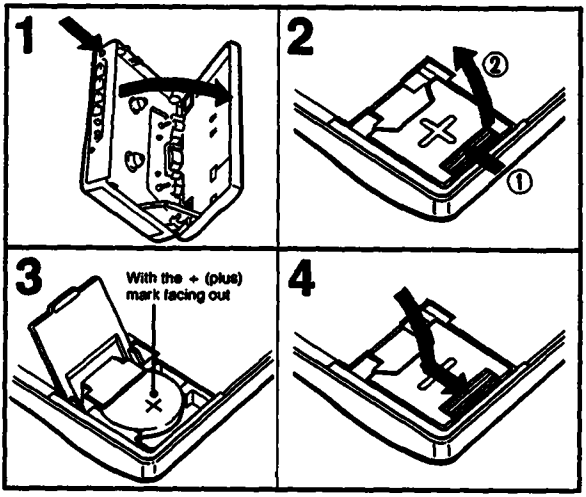


Notes

- Unplug the battery charger from the wall outlet after the battery is charged (for approximately 5.5 hours). Overcharging (for more than 20 hours) may damage the battery.
- The CHARGE indicator lights as long as the charger is plugged in.

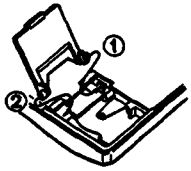
Inserting a Lithium Battery

Before operation, be sure to install a lithium battery (supplied). With the battery installed, this unit powers the clock and displays the tape operation indications in the LCD display window during the tape playback.



Note

If the lithium battery compartment lid is detached by an accidental drop, etc. attach it as illustrated.



Lithium battery life

Approximately one year and a half in normal operation.
If the lithium battery becomes weak, the letters on the display will become indistinct. In this case, replace the battery with a Sony CR2025 lithium battery. Use of another battery may cause a risk of fire or explosion. After replacing the battery, reset the clock.

Cautions

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Before use, wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.
- Do not break up the battery or throw it into a fire because it may explode. Carefully dispose of the used batteries.

Warning

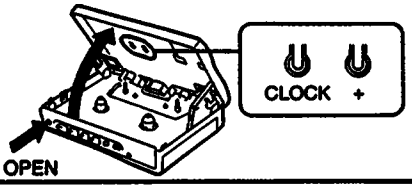
Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

Setting the Clock

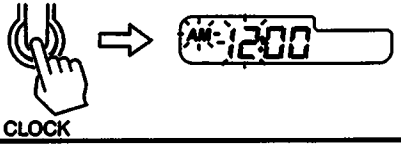
Before setting the clock, be sure that the clock indication appears in the LCD display window.

Ex. To set to 1:15 p.m.

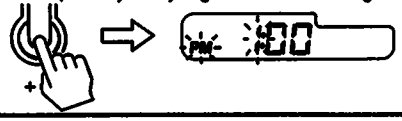
1 **Press the OPEN button.**



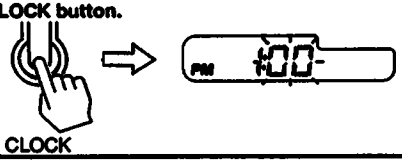
2 **Press the CLOCK button for 1.5 seconds or more.**



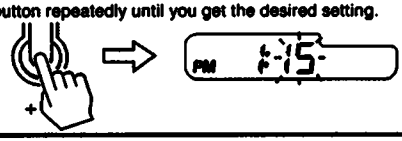
3 **Set the hour.**
Press the + button repeatedly until you get the desired setting.



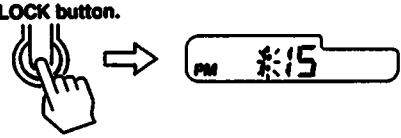
4 **Press the CLOCK button.**



5 **Set the minute.**
Press the + button repeatedly until you get the desired setting.



6 **Press the CLOCK button.**



Notes

- The hour display is in the 12-hour system.
- If you keep pressing the + button, the digits advance in sequence.
- The hour display does not advance even when the minute indication returns to "00" after "59".

To change the hour only

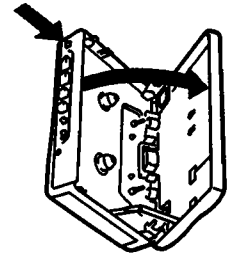
Follow steps 1-3, then press the CLOCK button twice. (During this operation the minutes and the seconds do not advance.)

To change the minute only

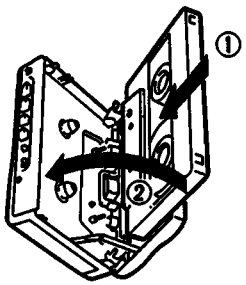
Follow steps 1-6 but skip step 3.
(During this operation the seconds advance.)

Tape Playback

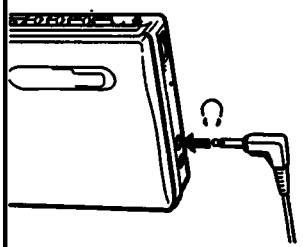
1 OPEN



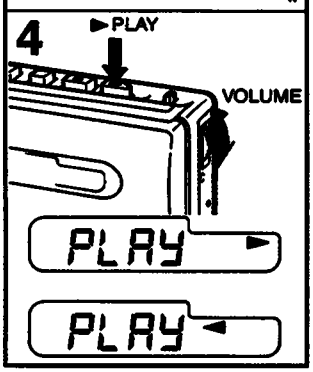
2



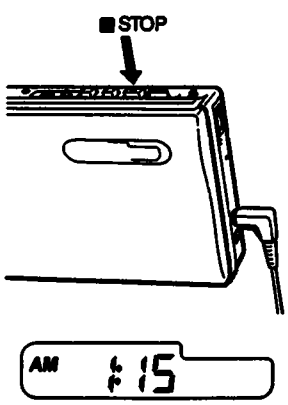
3



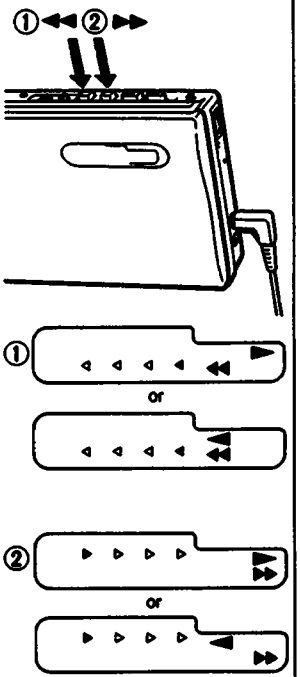
4 ►PLAY VOLUME



To stop the tape



To wind the tape rapidly



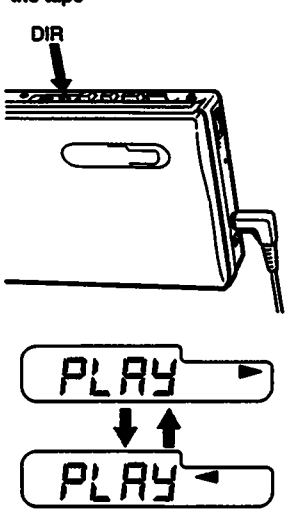
Notes

- Be sure to press ■ to release ►► or ◄◄ at the tape end of each direction.
- If you press ►► and ◄◄ simultaneously, ◄, ► and ◄◄, ►► flash in the LCD display window.

If the display shows the incorrect information

Remove the lithium battery. After 30 seconds or more, replace the battery and resume operation.

To listen to the other side of the tape

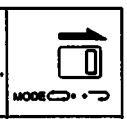
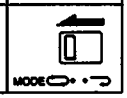


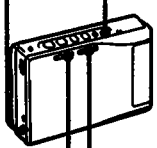
MEGA BASS
Listening to powerful and heavy sound

Set MEGA BASS to the desired position. Bass is boosted in the order of NORM, MID and MAX.	

While playing back hard and stressed sound with MEGA BASS set to MAX, the sound may be distorted. In this case, set MEGA BASS to NORM or MID.

MODE
On playback operation

Playing back both sides of the cassette once When the playback starts from the reverse side of the cassette, the unit will be shut off at the end of that side.	
Playing back both sides of the cassette repeatedly	



TAPE

DOLBY NR
Getting the best performance from your tape

For Dolby NR processed tapes	
For normal (TYPE I) tapes	
For CrO_2 (TYPE II) or metal (TYPE IV) tapes	

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

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